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WHAT IS CLAIMED IS:

1. A method for displaying panel image simulation result, which exhibits the electro optical characteristics of a liquid crystal display (LCD) panel as a function of a viewing angle of an observer who views the LCD panel, the method comprising the steps of:

a) converting the observer's viewing angle into a coordinate information;

b) performing a viewing transformation which converts a coordinate information in a world coordinate system into a coordinate information in an eye coordinate system on the basis of direction information of the observer's viewing angle;

c) reading out estimated image data from the memory to out of the viewing transformation results;

d) projecting a three-dimensional coordinate image for use in the eye coordinate system having been read at the step (c) on a projection plane perpendicular to the converted viewing angle, and mapping the projected result to a two-dimensional coordinate; and

e) displaying the mapping result image.

2. The method as set forth in Claim 1, wherein

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the step (a) includes the step of:

receiving view point information of the observer when the observer clicks on a position of a view point using a mouse.

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3. The method as set forth in Claim 1, wherein the step (a) includes the step of:

correcting a position of a view point using a mouse-dragging operation or arrow keys of a keyboard, and receiving coordinate information of the view point.

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4. The method as set forth in Claim 1, wherein the step (b) includes the step of:

using functions contained in a graphics library such as OpenGL or MESA.

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5. The method as set forth in Claim 1, wherein the step (d) includes the step of:

using functions contained in a graphics library such as OpenGL or MESA.

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6. The method as set forth in Claim 1, wherein the step (e) includes the step of:

displaying a mapping result image on one or more divided projection planes.

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7. The method as set forth in Claim 1, wherein the step (e) includes the step of:

5 further including either one of original image information and viewing angle information or their combination, and displaying the mapping result image.

8. The method as set forth in Claim 1, wherein the step (e) includes the step of:

10 using functions contained in a graphics library such as OpenGL or MESA.